

In the Claims

Please replace all prior versions, and listings, of claims in the application with the following list of claims:

1. (Currently amended) A ~~manufacturing~~ method of manufacturing a photoelectric conversion device using a semiconductor electrode comprising ~~composed of~~ semiconductor nanoparticles, the method comprising:

coating a paste containing a binder and semiconductor nanoparticles dispersed therein on a transparent conductive substrate; and

forming the semiconductor electrode by drying the paste, and thereafter pressing the paste to bond the semiconductor nanoparticles onto the transparent conductive substrate while heating it to a temperature in the range from 30°C to ~~the~~ a softening temperature of the transparent conductive substrate.

2. (Currently amended) The ~~manufacturing~~ method of manufacturing a photoelectric conversion device according to claim 1 wherein the temperature is equal to or higher than 50°C.

3. (Currently amended) The ~~manufacturing~~ method of manufacturing a photoelectric conversion device according to claim 1 wherein the temperature is equal to or lower than 200°C.

4. (Currently amended) The ~~manufacturing~~ method of manufacturing a photoelectric conversion according to claim 1 wherein the temperature is in ~~the~~ a range from 50°C to 120°C.

5. (Currently amended) The ~~manufacturing~~ method of manufacturing a photoelectric conversion device according to claim 1 wherein the transparent conductive substrate includes a transparent plastic substrate.
6. (Currently amended) The ~~manufacturing~~ method of manufacturing a photoelectric conversion device according to claim 1 wherein the semiconductor nanoparticles dispersed in the paste ~~previously~~ retain a sensitizing dye.
7. (Currently amended) The ~~manufacturing~~ method of manufacturing a photoelectric conversion device according to claim 1 wherein the photoelectric conversion device is a wet solar cell.
8. (Currently amended) A photoelectric conversion device using a semiconductor electrode ~~composed of~~ comprising semiconductor nanoparticles, the device comprising:
said semiconductor electrode formed by:
coating a paste containing a binder and semiconductor nanoparticles dispersed therein on a transparent conductive substrate; and
forming the semiconductor electrode by drying the paste, and thereafter pressing the paste to bond the semiconductor nanoparticles onto the transparent conductive substrate while heating it to a temperature in the range from 30°C to ~~the~~ a softening temperature of the transparent conductive substrate.

9. (Original) The photoelectric conversion device according to claim 8 wherein the photoelectric conversion device is a wet solar cell.

10. (Currently amended) A ~~manufacturing~~ method of manufacturing a photoelectric conversion device using a semiconductor electrode ~~composed of~~ comprising semiconductor nanoparticles, the method comprising:

coating a paste containing a binder and containing semiconductor nanoparticles retaining a sensitizing dye and dispersed therein on a transparent conductive substrate; and
forming the semiconductor electrode by drying the paste, and thereafter pressing the paste to bond the semiconductor nanoparticles onto the transparent conductive substrate while heating it to a temperature in the range from 30°C to a lower one of ~~the~~ a softening temperature of the transparent conductive substrate and ~~the~~ a deactivation temperature of the sensitizing dye.

11. (Original) The manufacturing method of a photoelectric conversion device according to claim 10 wherein the photoelectric conversion device is a wet solar cell.

12. (Currently amended) A photoelectric conversion device using a semiconductor electrode ~~composed of~~ comprising semiconductor nanoparticles, the device comprising:

said semiconductor electrode formed by:
coating a paste containing a binder and containing semiconductor nanoparticles retaining a sensitizing dye and dispersed therein on a transparent conductive substrate; and
forming the semiconductor electrode by drying the paste, and thereafter pressing the paste to bond the semiconductor nanoparticles onto the transparent conductive substrate while

heating it to a temperature in the range from 30°C to a lower one of the a softening temperature of the transparent conductive substrate and the a deactivation temperature of the sensitizing dye.

13. (Original) The photoelectric conversion device according to claim 12 wherein the photoelectric conversion device is a wet solar cell.

14. (Currently amended) A ~~manufacturing~~ method of manufacturing an electronic apparatus using a semiconductor electrode ~~composed of~~ comprising semiconductor nanoparticles, the method comprising:

coating a paste containing a binder and semiconductor nanoparticles dispersed therein on a substrate; and

forming the semiconductor electrode by drying the paste, and thereafter pressing the paste to bond the semiconductor nanoparticles onto the substrate while heating it to a temperature in the range from 30°C to the a softening temperature of the substrate.

15. (Currently amended) An electronic apparatus using a semiconductor electrode ~~composed of~~ comprising semiconductor nanoparticles, the apparatus comprising:

said semiconductor electrode formed by:

coating a paste containing a binder and semiconductor nanoparticles dispersed therein on a substrate; and

forming the semiconductor electrode by drying the paste, and thereafter pressing the paste to bond the semiconductor nanoparticles onto the substrate while heating it to a temperature in the range from 30°C to the a softening temperature of the substrate.

16. (Currently amended) A ~~manufacturing~~ method of manufacturing an electronic apparatus using a semiconductor electrode comprising ~~composed of~~ semiconductor nanoparticles, the method comprising:

coating a paste containing a binder and containing semiconductor nanoparticles retaining a sensitizing dye and dispersed therein on a substrate; and

forming the semiconductor electrode by drying the paste, and thereafter pressing the paste to bond the semiconductor nanoparticles onto the substrate while heating it to a temperature in the range from 30°C to a lower one of ~~the~~ a softening temperature of the substrate and ~~the~~ a deactivation temperature of the sensitizing dye.

17. (Currently amended) An electronic apparatus using a semiconductor electrode ~~composed of~~ comprising semiconductor nanoparticles, the apparatus comprising:

said semiconductor electrode formed by:

coating a paste containing a binder and containing semiconductor nanoparticles retaining a sensitizing dye and dispersed therein on a substrate; and

forming the semiconductor electrode by drying the paste, and thereafter pressing the paste to bond the semiconductor nanoparticles onto the substrate while heating it to a temperature in the range from 30°C to a lower one of ~~the~~ a softening temperature of the transparent conductive substrate and ~~the~~ a deactivation temperature of the sensitizing dye.